PROJECT TITLE

: Physical Testing Methods

Period Covered

: June 1 - June 30, 1980

Report Written

: T. Piko

Report Approved

: F. Lopes

## PHYSICAL TESTS

The results of May for the collective test on physical measurements were calculated and distributed to the participants (see enclosed table).

## CIGARETTE COMPRESSIBILITY

- Final prototype of this instrument was tested and approved.
- We received the electronical part for the 10 instruments under construction.
- The delivery for the mechanical part is delayed until end

## PRESSURE DROP AND DILUTION INSTRUMENT EX-PME

A series of 10 instruments has been assembled.

## MISCELLANEOUS

- 4 RTD Dilution instruments were despatched to the Italian Tobacco Manufacture.
- 1 RTD Dilution instrument was despatched to Papastratos Cigarette Mfg. Co.
- 3 measuring heads for paper porosity were despatched to Papier Fabrik Wattens.
- 1 complete instrument for paper porosity measurement was despatched to Cartiere del Maglio e di Brodano.

11.07.1980 THP/mat

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PM-3ERUIN	A	s	0.	N	D	J	F	М	A	М	J	J	^·	4
C.C. X  O,V. X  RTD X  DILL X  s	3.29 0.07 11.3 0.43 92.5 2.11 18.8 0.29	0.07 11.2 0.17 90.8 4.27 17.5	11.2 0.10 99.0 9.45 18.6	3,01 0,25 11,2 0,39 90,6 0,62 18,8 0,26	0.11 11.2 0.10 91.4 1.64 18.5	3.20 0.32 11.4 0.18 95.0 8.95 19.2 0.46	2.99 0.31 11.3 0.13 9017 2.08 18.7 0.37	0.16 11.2 0.38 101.3 5.89 18.7	0.11 11.4 0.21 91.9 0.97 18.8	0.18 11.0 0.32 88.9 1.81 18.4			3.04 11.2 94.0 18.6	<b>\</b>
P 11 - 11 U 11 I C H  C.C.		0.30 11.1 0.26 92.6 0.28 19.6	0.19 11.4 0.29 92.4 1.01 20.1	0.17 10.8 0.29 91.6 1.51 20.0	11.0 0.30 91.3 2.86	3.25 0.21 11.2 0.31 92.7 0.93 20.2 0.37	3:17 0:09 11:01 0:41 91:6 0:76 19:8 0:40	0.13	3.15 0.12 10.7 0.41 92.5 0.60 20:1 0.06	3.02 0.12 10.8 0.40 91.6 1.41 19.9 0.29			3.12 10.3 92.3 2010	
C.C.		0.09 111.0 0.29 87.8 0.93	88.5 2.70	0.08 11.1 0.17 86.7 0.72 19.0		0.04 11.1 0.15 86.0	3.07- 0.35 11.5 0.68 85.4 2.19 19.1: 0.51		0.03 11,3 0.38 87.6 3:56	11.4 0.57			3.26 11.5 87.0 13.4	
$\begin{array}{ccc} \underline{P  11 - H  O \cdot L  L  A  N  D} \\ & \text{c.c.} & \overline{x} \\ & \text{o.v.} & \overline{\underline{x}} \\ & \text{RTD} & \overline{\underline{x}} \\ & \text{DIL.} & \overline{\underline{x}} \\ & \text{s} \end{array}$		3.42 0.23 11.2 0.36 91.3 1.50 18.0 0.58	0.24 10.7 0.54 91.0 1.63	11.2 0:45 90.3 2:63 18.4	3.44 0.14 11.2 0.46 90.0 3.16 18.4 0.85		0.28 89.0 0.82 18.0		88.0 1.15 19.0	3.19 0.10 11.1 0.46 89.3 2.63 19.7 1.25			3.11 18.1 28.6 19.1	
$\begin{array}{ccc} Q.C. & \overline{x} \\ Q.C. & \overline{x} \\ Q.V. & \overline{x} \\ RTD & \overline{x} \\ DIL. & \overline{x} \\ s \end{array}$		0.27 10.9 0.78 8918	11.5 0.30 86.8 3.19	0.16 11:3 0.41 88.9 2.81 18.7	0.10 11.3 0.16 84.3 4.17 18.7	0.16 11.4 0.12 84.8 2.54 18.9	0.18 11.7 0.32 84.4 2.99 18.3	12.2 0.20 84.9 5.24 16.8	0.16 11.5 0.19 86.6 4.32 18.9	3.21 0108 111.8 0.45 86.8 4.13 18.6 0.92			3.31 11.3: 25.1 18.1	i.
C.C.	11.5 0.62 84.0 11.83 19.0	3.41 0.10 11.3 0.31 82.0 1.63 18.2 0.50	0.13 11.6 0.42 83.8 1.26 19.5	0.14 11.5 0.29 84.3 2.22 18.8	3:58 0.14 11.7 0:30 90.5 1.00 20.3 0:50	0.12 11.7 0.19 88.8 1.26 19.3	0.19 11.9 0.36 88.8 0.96 19.0	0.31 89.5 1.73 19.5	0.08 11.3 0.20	3.36 0.13 12.0 0.49 90.0 3.74 18.0			3:31 11.7 90.2 18.3	)

 $\widetilde{X}^{h}$  : Average of the last three-months

c.c.: Cigarette compressibility
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